

# Work Order ID 62808

Friday, October 08, 2010 10:38:14 AM



Page 1

Item ID:	D4131-043	Accept		Setup	Start	
Revision ID:						
Item Name:	Doubler Assembly				Stop	
Start Date:	10/8/2010	Start Qty:	2.00			
Required Date:	10/15/2010	Req'd Qty:	2.00			
Reference:						

Approvals:	Process Plan:	<u>1/1</u>	Date:	<u>10-10-08</u>	Tooling:		Date:	
	QC:		Date:		SPC (Y/N):		Date:	

Run	Start	
	Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
D4131	A								
100		0.00							
	FLOW WATER JET								
Waterjet	Memo	0.00							
FLOW CNC Waterjet	1-Cut D4131-7 as per Dwg								
<del>3110-080</del>	Dwg Rev: <u>A</u>								
6061.063	Prog Rev: <u>A</u>								
	2-Deburr as required								
110	QC2- Inspect parts off machine FAI/FAIB	0.00							
QC	Memo	0.00							
Quality Control									
120	QC8- Inspect parts - second check	0.00							
QC	Memo	0.00							
Quality Control									

NOT PULLED

10-10-12

10-10-13

(3)

10-10-12

10-10-13

(3)

(+3)

MATERIAL CERTIFIC  
REQ'D UPON DELI  
10/10/13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 62808

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Page 2

Item ID:	D4131-043	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Doubler Assembly					
Start Date:	10/8/2010	Start Qty:	2.00		Cust Item ID:	
Required Date:	10/15/2010	Req'd Qty:	2.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 	Small Fab	0.00							
Small Fab	Memo	0.00							
Small Fab	COUNTER SINK AS PER DWG								
	Deburr if necessary.								
150 	QC5- Inspect part completeness to step on W/O	0.00							
QC	Memo	0.00							
Quality Control									
160 	Chemical Conversion Coat per QSI005 4.1	0.00							
HandFinish	Memo	0.00							
Hand Finishing									

*Signature* 10/10/14 (3)

*Signature* 10/10/14

(+3)

*Signature* 10-10-14

(3)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

**Work Order ID 62808**

Friday, October 08, 2010 10:38:14 AM

Page 3

Item ID: D4131-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Doubler Assembly

Start Date: 10/8/2010 Start Qty: 2.00

Cust Item ID:

Required Date: 10/15/2010 Req'd Qty: 2.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

161



QC

Quality Control

QC3- Inspect Part Finish

0.00

=&gt; M

10/10/11

3

Ø

Memo

0.00

165



Small Fab

Small Fab

Memo

ASSEMBLE NUT PLATES AS PER DWG

0.00

0.00

10/10/18 (3)

166



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

SB 10/10/18

(3)

0.00

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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**NOTE:** Date & initial all entries

**Work Order ID 62808**

Friday, October 08, 2010 10:38:14 AM

Page 4

Item ID: D4131-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Doubler Assembly

Start Date: 10/8/2010 Start Qty: 2.00

Cust Item ID:

Required Date: 10/15/2010 Req'd Qty: 2.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

180

Identify as per dwg & Stock Location: 131

0.00



Packaging

Memo

0.00

Packaging

D. Dwyer 10/11/01 (3)  
10.10.29 (3)

190

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10.10.29

ME  
10-11-01

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Friday, October 08, 2010 10:38:18 AM

Page 1

Work Order ID: 62808

Parent Item: D4131-043

Parent Item Name: Doubler Assembly

Start Date: 10/8/2010

Required Date: 10/15/2010

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A 10.10.06 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M304S18GA *M6061T6S.063* Purchased

No

100

sf

99.6879

0.1807

0.380421

*(3)*



304/316.050 Sheet

*10.10.12*

Location

Loc Qty

Loc Code

MAT20

99.6879

111743

6.55

112178

0.8

112885

0.1679

113062

40.17

115389

52

*113608*

MS20426AD3-3 Purchased

No

165

Each

4,419.000

8

16



Rivet

Location

Loc Qty

Loc Code

ST316

4419

19099

4407

7681

12

*20*

MS21069L3 Purchased

No

165

Each

119.0000

4

8



ANCHOR NUT

Location

Loc Qty

Loc Code

ST302

119

102587

6

103447

93

112314

20

*8 12*

*10/10/18*

*10/10/18*

*10-10-12*  
*10-10-13*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

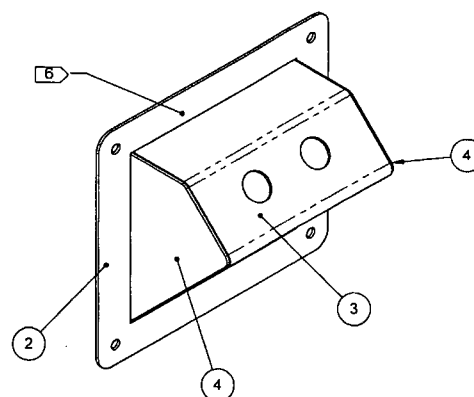
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



ITEM	QTY -041	PART NUMBER	DESCRIPTION
1	X	D4131-041	MANIFOLD ASSEMBLY
2	1	D4131-1	FRONT PLATE
3	1	D4131-3	BASE
4	2	D4131-5	SIDE PLATE



**D4131-041 MANIFOLD ASSEMBLY**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER QSI 044 6.1
- 7) WEIGHT: 0.64 lbs

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SUBMITTAL  
NO. 62808  
B/10-10-08

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2010-09-23  
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A NEW ISSUE		RF 10.09.16	
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	10	DRAWING NO.	REV. A
MFG. APPR.	10	D4131	SHEET 1 OF 8
APPROVED	10	TITLE	SCALE
DE APPR.	10	MANIFOLD ASSEMBLY	NTS
DATE	10.09.16	COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

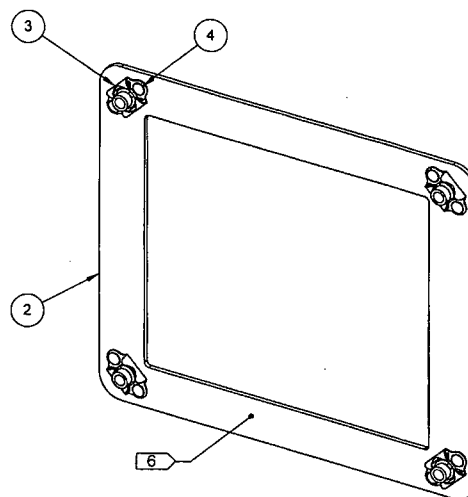
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Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

ITEM	QTY -043	PART NUMBER	DESCRIPTION
1	X	D4131-043	DOUBLER ASSEMBLY
2	1	D4131-7	DOUBLER
3	4	MS21069L3	NUT PLATE
4	8	MS20426AD3-3	RIVET



**D4131-043 DOUBLER ASSEMBLY**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER QSI 044 6.1
- 7) WEIGHT: 0.07 lbs

DESIGN	RF	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D4131	SHEET 2 OF 8
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2010-09-23  
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*WFO 62508*

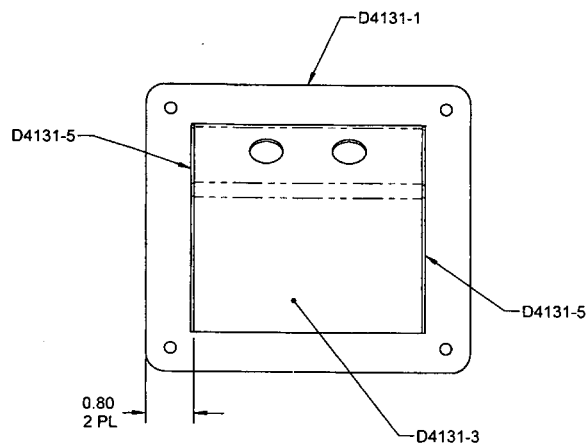
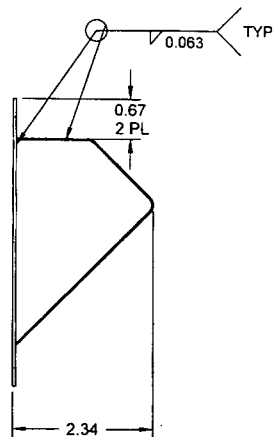
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# D4131-041 MANIFOLD ASSEMBLY

## NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER QSI 044 6.1
- 7) WEIGHT: 0.64 lbs
- 8) WELD PER DART QSI 004

DESIGN	RF	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	<i>NO</i>	DRAWING NO. <b>D4131</b>	REV. A
MFG. APPR.	<i>NO</i>	SHEET 3 OF 8	
APPROVED	<i>NO</i>	TITLE	SCALE
DE APPR.	<i>NO</i>	<b>MANIFOLD ASSEMBLY</b>	NTS
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*WLO 62505*



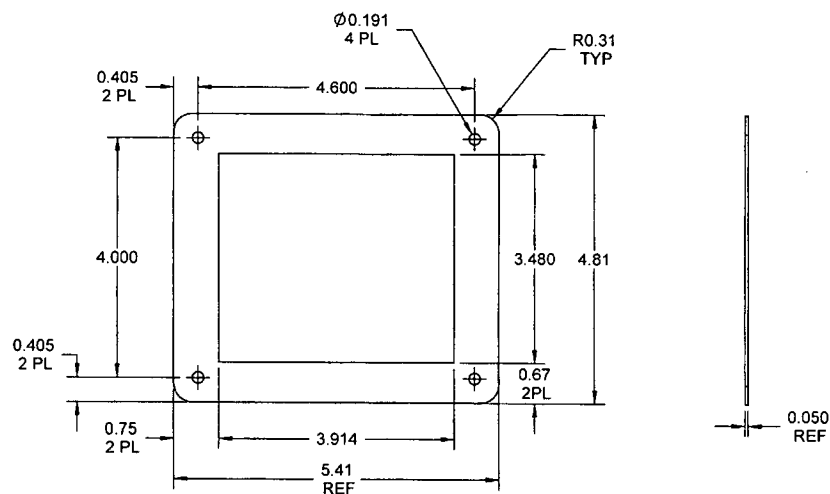
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



**D4131-1 FRONT PLATE**

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ANNEALED 2B FINISH 0.050 (18 GAUGE) SHEET  
PER MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240  
PER DART SPEC. M304S18GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.18 lbs

DESIGN	RF	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	<i>RF</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>RF</i>	<b>D4131</b>	SHEET 4 OF 8
APPROVED	<i>RF</i>	TITLE	SCALE
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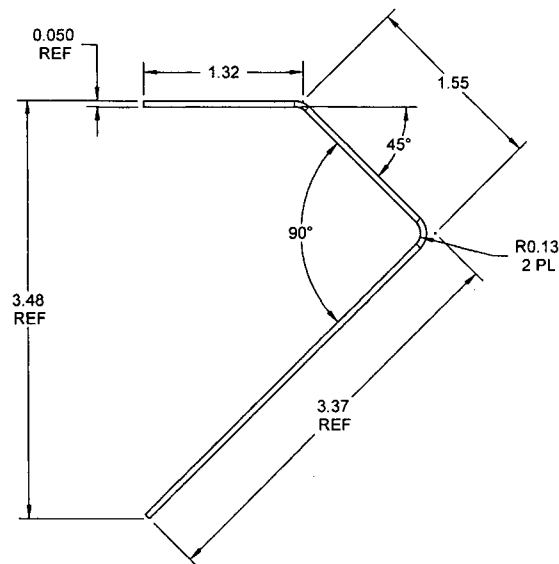
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**D4131-3 BASE**  
MAKE FROM D4131-3F FLAT PATTERN

**RELEASED**  
2010-09-23  
JWA

**NOTES:**

- 1) MATERIAL: MAKE FROM D4131-3F FLAT PATTERN
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.33 lbs

DESIGN	RF	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	RF	PORT HADLOCK, WA	
CHECKED	<i>MP</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>MP</i>	<b>D4131</b>	SHEET 5 OF 8
APPROVED	<i>MP</i>	TITLE	SCALE
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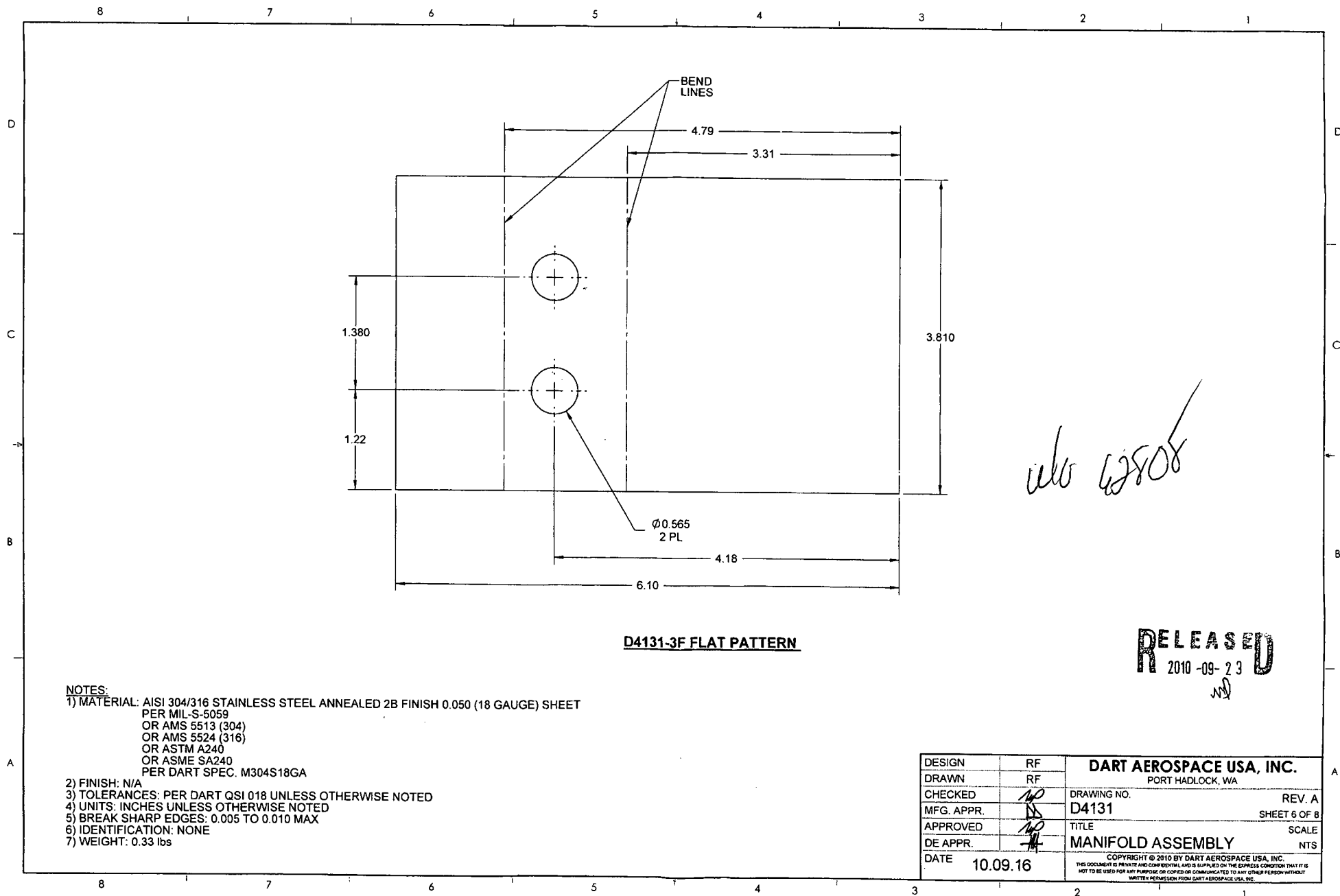
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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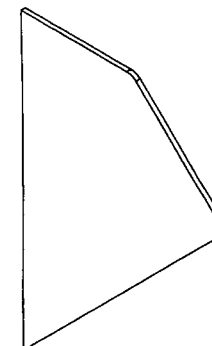
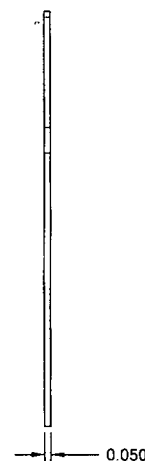
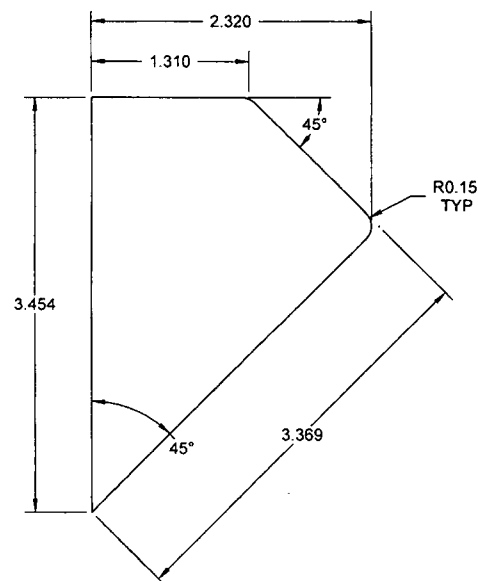
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



*ulu 62808*

**D4131-5 SIDE PLATE**

**RELEASED**  
2010-09-23

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ANNEALED 2B FINISH 0.050 (18 GAUGE) SHEET  
PER MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240  
PER DART SPEC. M304S18GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.07 lbs

DESIGN	RF	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	RF	PORT HADLOCK, WA	
CHECKED	<i>RF</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>RF</i>	D4131	SHEET 7 OF 8
APPROVED	<i>RF</i>	TITLE	SCALE
DE APPR.	<i>RF</i>	MANIFOLD ASSEMBLY	NTS
DATE	10.09.16	<small>COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	



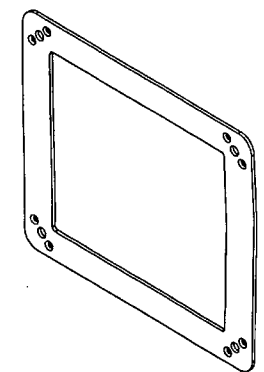
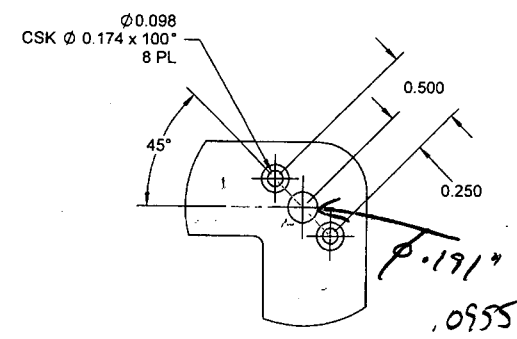
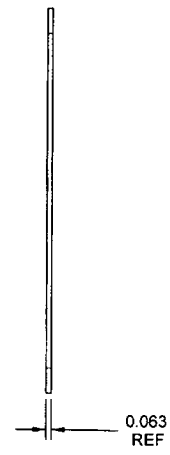
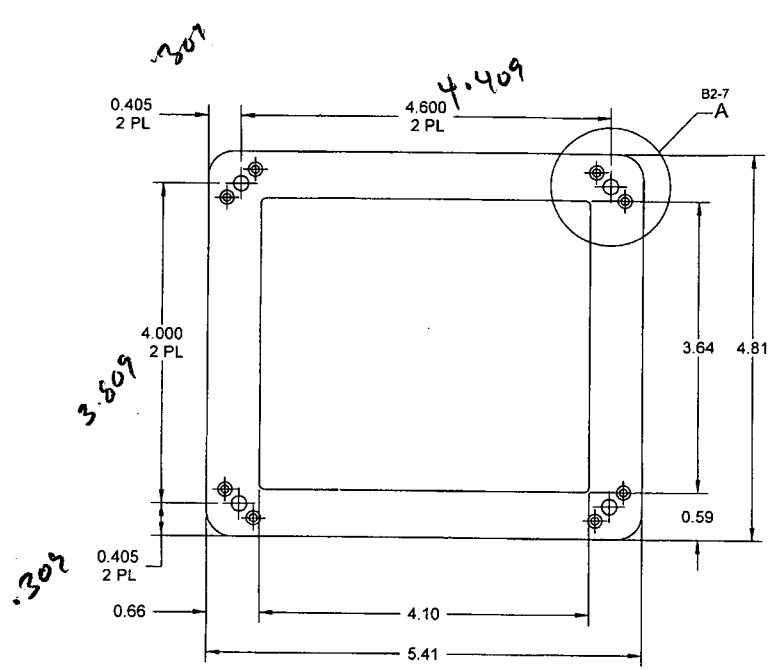
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



**D4131-7 PLATE**

**DETAIL A D5-7 TYPICAL**

- NOTES:**
- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET 0.063 THICK  
PER QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS4027  
OR ASTM B209  
PER DART SPEC. M6061T6S0.063
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: 0.07 lbs

*also used*

**RELEASED**  
2010-09-23  
WM

DESIGN	RF	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	<b>D4131</b>	SHEET 8 OF 8
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	<b>MANIFOLD ASSEMBLY</b>	NTS
DATE	10.09.16	COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. WHO IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## David Duval

---

**From:** Robert Fuentes [rfuentes@dartaero.com]  
**Sent:** October 12, 2010 3:56 PM  
**To:** David Duval  
**Subject:** revise dxf file  
**Attachments:** D4131-7a.dxf; D4131-1a.dxf

Sorry David,

Shepherd ask to change profile last day before release, I forgot to update dxf.

Roberto

# Receiving Report

Date: 10/01/11  
 Supplier: MAGNO

Batch No: M113608  
 Dart P/O: 11060

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection: ☒ N/A ☐  
 Work Order: 1 10/01/11 N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 10/01/11  
 Date: [Signature]  
 Received/Costing: [Signature]  
 Initial: [Signature]

Location



**Magna Stainless**  
5775 Kieran St, Saint-Laurent QC H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

# INVOICE

Pg 1 of 1 I021555

SOLD TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY , ON  
K6A 1K7

SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY , ON  
K6A 1K7

MTR:Y

INVOICE DATE:	01/11/10
ORDER DATE:	01/07/10
SHIP DATE:	01/11/10
ORDER NUMBER:	W023590
PURCHASE ORDER:	PO11060

Currency	Sales Person	Ship Via	F.O.B.	Terms
CANADIAN DOLLARS	ERYCK BLAIS	NIR:R-557065-1	PREPAID	NET 30 DAYS

Ln	Back Ordered	Ordered	Unit	Description	Shipped	Price Per	Value
				ALUMINUM FLATS			
		4	PC	AFL 6061 T6 1/8" x 3/4" x R/L	4 UN	5.00	20.00 ✓
				L026372 20' 4 PC/9 LB			
		2	PC	AFL 6061 T6 1-1/4" x 2" x R/L	2 UN	133.00	266.00 ✓
				L030399 20' 2 PC/118 LB			
				ALUMINUM SHEET			
		3	PC	ASH 6061 T6 .125" x 48" x 96"	3 UN	190.00	570.00 ✓
				L031565 3 PC/173 LB			
		6	PC	ASH 6061 T6 .063" x 48" x 144"	288.00 SFT	4.5312	1,304.99 ✓
				L025694 6 PC/261 LB			
				NO N/A MAT'L			

RECEIVED JAN 18 2010

01/12/10 10:47:24

PST Exmp No:EXEMPT

Merchandise:	2,160.99
Surcharges:	
No Tax Costs:	
GST	108.05
Total Due:	2,269.04

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Q.S.T. # 1213236471  
G.S.T. # 881565899 RT0001

# Purchase Order Receipt Listing

January 11, 2010 8:56:50 AM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO11060 Receipt Dates from 1/11/2010 to 1/11/2010 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAG002	Magna Stainless								
PO11060	2		M6061T6B00750X00 f .125		1/11/2010	1/11/2010	80.0000	\$0.25	0.0000	0	\$20.00 ✓
CAD	No		6061-T6 Bar .750 x f .125		80.0000	Stores		\$20.00	0.0000	0	
			113608								
	3		M6061T6B2.000X01 f 250		1/11/2010	1/11/2010	40.0000	\$11.08	0.0000	0	\$443.20
	No		6061-T6 Bar 2.00 x f 1.25		24.0000	Stores		\$443.20	0.0000	0	
			113608								
	4		M6061T6S.125 sf		1/11/2010	1/11/2010	96.0000	\$5.94	0.0000	0	\$570.00 ✓
	No		6061-T6 .125 Sheet sf		96.0000	Stores		\$570.00	0.0000	0	
			113608								
	5		M6061T6S.063 sf		1/11/2010	1/11/2010	288.0000	\$4.53	0.0000	0	\$1,304.99 ✓
	No		6061-T6 .063 Sheet sf		256.0000	Stores		\$1,304.99	0.0000	0	
			113608								

Total Received Quantity: 504.0000  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$2,338.19  
Total Balance Due Quantity: 0.0000



# Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105



## PACKING LIST

Page 1 of 1 I021555

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Contact: CHANTAL

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Ship Terms: PREPAID



SPECIAL INSTRUCTIONS

Currency		Sales Person		Customer Phone	Customer Fax	Customer PO
CANADIAN DOLLARS		ERYCK BLAIS		(613) 632-5200	(613) 632-1053	PO11060
Sales Order	Terms	Ship Via		Date Ordered	Date Required	Date Shipped
W023590	NET 30 DAYS	NIR:R-557065-1		01/07/10	01/11/10	01/11/10

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
4		PC	ALUMINUM FLATS AFL 6061 T6 1/8" x 3/4" x R/L			
2		PC	20' 9 LB / 4 PC AFL 6061 T6 1-1/4" x 2" x R/L	L026372	07C043	4
			20' 118 LB / 2 PC	L030399	46512	2
3		PC	ALUMINUM SHEET ASH 6061 T6 .125" x 48" x 96"			
6		PC	173 LB / 3 PC ASH 6061 T6 .063" x 48" x 144"	L031565	329280101	3
			261 LB / 6 PC NO N/A MAT'L	L025694	K05406A	6

Rec 10/24/11

bundles: 1 Skids: 1

Approx Weight: 561 LB

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO11060

Purchase Order Date 1/07/10

PO Print Date 1/07/10

Page Number 1 of 2

Order From :

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

VC-MAG002

**FAKED**

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6R0.625	6061-T6 Round Bar .625"	1/15/10 Yes	40.00 f	Yours ppd	\$3.8000	\$152.00
		Special Inst: MATERIAL: 6061-T6/651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8/AMS 4117/4128/4115/4116 OR ASTM B211 OR ASTM B221					
2	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	1/11/10 Yes	80.00 f	Yours ppd	\$0.2500	\$20.00
		Special Inst: MATERIAL SAME AS ABOVE					
3	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	1/11/10 Yes	24.00 f	Yours ppd	\$11.0800	\$265.92
		Special Inst: MATERIAL SAME AS ABOVE					
4	M6061T6S.125	6061-T6 .125 Sheet	1/11/10 Yes	96.00 sf	Yours ppd	\$5.9375	\$570.00
		Special Inst: MATERIAL: 6061-T6/T62					

1/07/10



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO11060

Purchase Order Date 1/07/10

PO Print Date 1/07/10

Page Number 2 of 2

Order From :

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

VC-MAG002

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB

ALUMINUM SHEET  
AS PER QQ-A-250/11 OR AMS-QQ-A-  
250/11 OR AMS 4025  
AMS 4027 OR ASTM B209

5 M6061T6S.063

6061-T6 .063 Sheet

1/11/10

256.00

Yours ppd

\$4.5312

\$1,159.99

Yes

sf

Special Inst:

MATERIAL SAME AS ABOVE

6 M2024T3S.080

2024-T3 .080 sheet

1/15/10

196.00

Yours ppd

\$10.9375

\$2,143.75

Yes

sf

Special Inst:

MATERIAL: 2024-T3 ALUMINUM  
SHEET  
AS PER QQ-A-250/4 OR AMS-QQ-  
AA-250/4 OR  
AMS 4037 OR ASTM B209

7 M7075T6B1.000X1.000

7075 T6 BAR 1.00 x1.00

1/15/10

12.00

Yours ppd

\$16.2500

\$195.00

Yes

f

Special Inst:

MATERIAL: 7075-T6/T651/T6511/T62  
ALUMINUM BAR PER AMS-QQ-A-  
225/9 OR AMS 4122/4123/4186/4187  
OR  
PER AMS-QQ-A-200/11

8 M304TS0.750W.049

304 SQ Tube  
.75x.75x.049W

1/15/10

100.00

Yours ppd

\$3.2500

\$325.00

Yes

f

Special Inst:

MATERIAL: 304 SEAMLESS  
SQUARE TUBING NO MILL FINISH

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

PO Total:

\$4,831.66

Change Nbr:

2

Change Date: 1/07/10

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate – mill certificate**

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85368130 01 / 3

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2009 06 24

730 31  
2/85

<b>Auftraggeber / customer:</b> A.S.A. Alloys Div. of Canadian Specialty Metals ULC 81 Steinway Blvd CDN-M9W 6H6 ETOBICOKE	<b>Bestell Nr. / order no.:</b> 079744-DRB <b>Datum / date:</b> 2009 04 29
<b>Warenempfänger / consignee:</b> A.S.A. Alloys Div. of Canadian Specialty Metals ULC 81 Steinway Blvd CDN-M9W 6H6 ETOBICOKE	<b>Auftragsbest. Nr. / order confirm. no.:</b> 597957 <b>Datum / date:</b> 2009 04 30
<b>Endkunde, Bestell-Nr. / Your cust., ord. no.:</b>	<b>Lieferschein Nr. / delivery note:</b> 85368130 <b>Datum / date:</b> 2009 06 24
	<b>Akkreditiv Nr. / letter of credit no.:</b>

<b>Produkt/product</b> Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [inch]: 0,125x48,00x96,00 Kundenartikel-Nr / customer article no.:	<b>Bedingungen/terms</b> Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also AMS 4027N, 07.2008, but not marked ANSI H35.2-2006 ASME SB 209, 2007  Sondervorschrift / special terms:
---	--

AB-Pos. ord.-item	BNr/Los/Tellos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto Weight net	Stk. pcs.
02	32928/01/01	01/0034540/9	6061.1	5979570001	3247,354 lbs	59
02	32928/01/01	01/0034540/9	6061.1	5979570002	3253,968 lbs	59
02	32928/01/01	01/0034540/9	6061.1	5979570003	3253,968 lbs	59

Chemische Zusammensetzung / chemical composition: [%] Gewichtanteile / weight proportion											
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	
01/0034540/9	6061.1										
	actual	0,62	0,49	0,21	0,08	0,88	0,16	0,01	0,12	0,06	

Zugversuch / Tensile test									
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]		
32928/01	T6	LT			47,0	39,6	15		
32928/01	T6	LT			47,1	39,7	16		
32928/01	T6	LT			47,3	39,7	16		
32928/01	T6	LT			47,0	39,7	16		
32928/01	T6	LT			47,1	39,9	16		
32928/01	T6	LT			47,4	39,9	16		
32928/01	T6	LT			47,0	39,7	15		
32928/01	T6	LT			47,0	39,6	16		
32928/01	T6	LT			47,0	39,6	16		
32928/01	T6	LT			47,0	39,7	16		



**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate – mill certificate**

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

**Nr.: 85368130 01 / 3**

**Rev. 0**

Seite / page: 2 von / of 2

Datum / date: 2009 06 24

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.  
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.  
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

Novelis Inc.  
1 LAPPAN'S LANE  
P.O. BOX 2000  
KINGSTON, ONTARIO, CANADA K7L4Z5

CERTIFICATION OF PROPERTIES AND  
CHEMICAL ANALYSIS

SOLD TO:  
MANDEL METALS INC  
11400 ADDISON STREET

SHIP TO:  
MANDEL METALS INC  
11400 ADDISON STREET

FRANKLIN PARK IL  
60131

FRANKLIN PARK IL  
60131

PRINT DATE:  
2009/04/17

CUST PO: 02-11832

LOAD: HZ84

ALLOY: 6061

PACK: 52644221

TEMPER: T6

CUST PART #:

COIL: 05406A

GAUGE: 0.0630 in

SALES ORDER: 66515340-0010

NET WT: 9237 lbs

WIDTH: 48.000 in

MECHANICAL SPECIFICATIONS: AMS-QQ-A-250/11-97 ASTM B209-02 AMS4027M

GAUGE LENGTH = 2.00 in

I certify that the materials detailed herein have been tested and that  
documentary evidence of the test or release certificate is on file.

Per

Process Leader

Location: FRONT END		UOM	TEMPER	TEST DATE
UTS	T:45.95	ksi	T6	17-APR-2009
YTS	T:38.17	ksi	T6	17-APR-2009
Elongation	T:13	%	T6	17-APR-2009
Tensile Thickness	T:0.0604	in	T6	17-APR-2009
Location: BACK END		UOM	TEMPER	TEST DATE
UTS	T:44.08	ksi	T6	17-APR-2009
YTS	T:37.08	ksi	T6	17-APR-2009
Elongation	T:12	%	T6	17-APR-2009
Tensile Thickness	T:0.0609	in	T6	17-APR-2009

Chemistry

\*\*\*\*\* LAYER: 01 \*\*\*\*\*

Al 97.6900 Si 0.5500 Fe 0.4600 Cu 0.2200 Mn 0.0100 Mg 0.8800 Cr 0.1700 Ni 0.0000 Zn 0.0100  
Ti 0.0100 Be 0.0000 Pb 0.0000  
EACH: 0.0000 TOTAL: 0.0000

btch 79

P004846

# Aluminium Mill Certificate

Cert. No.: KAP617163

Customer:

Contract No.: CA-SM74134

Alloy Temper: 6061-T6511

Container No: ZCSU9005739/45HQ



Taishan City Kam Kiu Aluminium Extrusion Co. Ltd.  
Address: Daljang County, Taishan, Guang Dong, China  
Tel: (86) 7505438596 Fax: (86) 7505438173

Standards: ASTM-B221 & AMS-QQ-A-200/8

Shipment Date: Nov 28 2007

PO No: P00835

Invoice No: M76412

			Shipment Date: Nov 28 2007		PO No: P00835		Invoice No: M76412													
Product Code	Die No	Specification	6061 Chemical Composition (%)													Tensile Strength Yield Elongation				
			Heat No.	Si	Mg	Fe	Cu	Mn	Zn	Cr	Ti	Pb	Bi	Zr	Al	N/mm <sup>2</sup>	ksi	N/mm <sup>2</sup>	ksi	%
				0.40-0.80	0.80-1.20	0.70 max.	0.15-0.40	0.15 max.	0.25 max.	0.04-0.35	0.15 max.	--	--	Rem.						
6079		ANGLE .75X.75X.125 R	07G273	0.725	0.952	0.202	0.246	0.049	0.016	0.113	0.013	0.001								
6009-318		ANGLE 1 X 1 X 1/8 RF	07C043	0.746	0.958	0.201	0.278	0.041	0.200	0.123	0.012	0.001		Rem.	296	43.0	267	39.0	12.8	
6009-318		ANGLE 1 X 1 X 1/8 RF	07C043	0.746	0.958	0.201	0.278	0.041	0.200	0.123	0.012	0.001		Rem.	306	44.0	289	42.0	15.0	
6076		ANGLE1.25X1.25X.125R	07C077	0.708	0.965	0.201	0.261	0.047	0.049	0.120	0.012	0.001		Rem.	306	44.0	289	42.0	15.0	
6043		ANGLE 2X2X1/8	07C043	0.746	0.958	0.201	0.278	0.041	0.200	0.123	0.012	0.003		Rem.	303	44.0	290	42.0	11.0	
6043		ANGLE 2X2X1/8	07C043	0.746	0.958	0.201	0.278	0.041	0.200	0.123	0.012	0.001		Rem.	285	41.0	267	39.0	11.6	
6012-476		ANGLE 1.5X1.5X3/16	07D677	0.734	0.962	0.204	0.234	0.042	0.025	0.127	0.013	0.001		Rem.	303	44.0	273	40.0	16.4	
6041		ANGLE 2X2X3/16 RF	07G273	0.725	0.952	0.202	0.246	0.049	0.016	0.113	0.013	0.002		Rem.	330	48.0	295	43.0	17.2	
90107		CHANNEL3X1.5X3/16RF	07D677	0.734	0.962	0.204	0.234	0.042	0.025	0.127	0.013	0.001		Rem.	306	44.0	283	41.0	14.4	
01099		FLAT BAR3/16X2.00	07C077	0.708	0.965	0.201	0.261	0.047	0.049	0.120	0.012	0.003		Rem.	289	42.0	263	38.0	14.4	
01606		FLAT BAR.188X3.000	07C043	0.746	0.958	0.201	0.278	0.041	0.200	0.123	0.012	0.001		Rem.	305	44.0	295	43.0	11.0	
44416		REC TUBE RC3X2X.125"	07D677	0.734	0.962	0.204	0.234	0.042	0.025	0.127	0.013	0.002		Rem.	337	49.0	319	46.0	12.0	
44415		REC TUBE RC 3X2X.25"	07D677	0.734	0.962	0.204	0.234	0.042	0.025	0.127	0.013	0.002		Rem.	313	45.0	289	42.0	13.2	
44417		REC TUBE RC 4X2X.12"	07D677	0.734	0.962	0.204	0.234	0.042	0.025	0.127	0.013	0.002		Rem.	324	47.0	307	45.0	15.2	
4057		SQ TUBE RC2X2X.12"	07D677	0.734	0.962	0.204	0.234	0.042	0.025	0.127	0.013	0.002		Rem.	289	42.0	275	40.0	11.0	
01037		FLAT BAR .125X.750	07C043	0.746	0.958	0.201	0.278	0.041	0.200	0.123	0.012	0.002		Rem.	301	44.0	283	41.0	13.4	
0089		FLAT BAR.125X1.00	07G273	0.725	0.952	0.202	0.246	0.049	0.016	0.113	0.013	0.001		Rem.	309	45.0	293	42.0	14.8	
4055		SQ TUBE 1X1X.12	07G273	0.725	0.952	0.202	0.246	0.049	0.016	0.113	0.013	0.001		Rem.	318	46.0	285	41.0	11.8	
														Rem.	301	44.0	270	39.0	13.0	

Solo/ly

Level 14, Uptown 1, No. 1 Jalan SS21/58, Damansara Uptown, 47400 Petaling Jaya, Selangor Darul Ehsan, Malaysia.  
c/o

Room 17, 18/F, North Tower, Concordia Plaza, 1 Science Museum Road, Kowloon, Hong Kong  
Tel No: (852)23020808, Fax No: (852)23020062  
E-mail: info@kamkiu.com Web Page: www.kamkiu.com

# Aluminium Mill Certificate

Cert. No.: KAP617163

Customer:

Contract No.: CA-SM74134

Alloy Temper: 6061-T6511

Container No: ZCSU9005739/45HQ



Taishan City Kam Kiu Aluminium Extrusion Co. Ltd.  
Address: Daijiang County, Taishan, Guang Dong, China  
Tel: (86) 7505438596 Fax: (86) 7505438173

Standards: ASTM-B221 & AMS-QQ-A-200/8

Shipment Date: Nov 28 2007

PO No: P00835

Invoice No: M76412

Product Code			Die No	Specification	6061 Chemical Composition (%)															Invoice No: M76412			
					Heat No.	Si	Mg	Fe	Cu	Mn	Zn	Cr	Ti	Pb	Bi	Zr	Al	Tensile Strength	Yield	Elongation			
						0.40-0.80	0.80-1.20	0.70 max.	0.15-0.40	0.15 max.	0.25 max.	0.04-0.35	0.15 max.	--	--	--	Rem.	N/mm <sup>2</sup>	ksi	N/mm <sup>2</sup>	ksi	%	
																		285	38	245	35		

Standards: ASTM-B221 & AMS-QQ-A-200/8

Shipment Date: Nov 28 2007

PO No: P00835

Kam Kiu Aluminium Group hereby certifies that metal shipped under the above mentioned PO No, Contract No, and Container No has been inspected and tested in accordance with applicable specifications forming a part of the description set forth in Kam Kiu's Sales Contract. This Mill Test Certificate is valid only when used in conjunction with the original invoice.

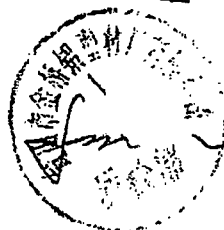
Prepared By: [Signature]

Kam Kiu Aluminium Group hereby certifies that metal shipped under the above mentioned PO No, Contract No, and Container No has been inspected and tested, and found in conformance with the applicable specifications forming a part of the description set forth in Kam Kiu's Sales Contract. This Mill Test Certificate complies to 3.1 EN 10204.

Prepared By:

Waley

Checked By:



Page 2 of 6

Level 14, Uptown 1, No. 1 Jalan SS21/58, Damansara Uptown, 47400 Petaling Jaya, Selangor Darul Ehsan, Malaysia.  
c/o

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Tel No. (852)23020808, Fax No: (852)23020062  
E-mail: info@kamkiu.com Web Page: www.kamkiu.com

TRANSMISSION VERIFICATION REPORT

TIME : 02/18/2008 02:23  
NAME :  
FAX :  
TEL :  
SER.# : F9N212739

DATE, TIME	02/18 02:22
FAX NO./NAME	15143391105
DURATION	00:00:31
PAGE(S)	02
RESULT	OK
MODE	STANDARD
	ECM